

# *Legislative and Regulatory Update*

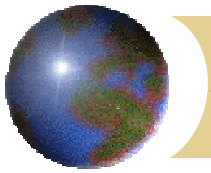
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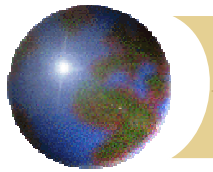
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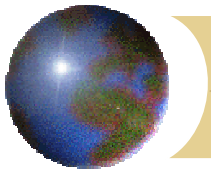
# *Federal and State Update*

- EPA Programs
- Federal Legislation and Regulations
- State Updates



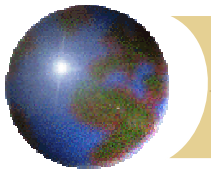
# *Why Electronics?*

- Quantity
  - Approx. 2 million tons of electronics discarded each year.
  - 128 million cell phones are retired each year
  - Replacement cycles of between 1 and 4 years for products
- Substances of Concern
  - Lead, Cadmium, Beryllium, Lithium, Mercury, Chlorine/Bromine
- Resource Conservation
  - Recycling, Reuse, Minimize purchases, material substitution
- Federal Leadership Role
  - Largest purchaser of IT products/services in the world



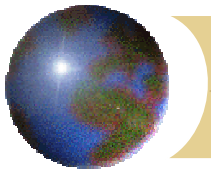
# *Existing OSW/RCRA Projects*

- Plug-in to eCycling
  - Industry/State/EPA Partnership Program
  - Pilot projects to test out different EOL strategies for consumer electronics.
- Federal Electronics Challenge
  - Challenge to Federal Agencies to green their purchasing, use and end-of-life management of electronics.
- EPEAT
  - Development of a green purchasing standard for Electronics that will allow purchasers to easily identify and purchase greener electronic products.
- Mobile Phone Partnership
  - Multi-stakeholder dialogue to identify solutions for mobile phones at EOL.



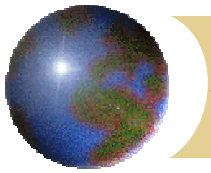
## *Federal Initiatives*

- Talent Bill – Recyclers and Consumers receive a tax credit. EPA to publish a report on a permanent national recycling program
- National Computer Recycling Act – ARF not to exceed \$10 – EPA responsible for collection of recyclable materials and administer the ARF.



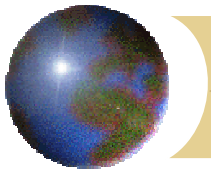
## *Federal Initiatives*

- Sense of Congress Resolution – Legislative Branch should reuse, recycle and appropriately dispose of e-scrap.
- Tax Incentive to Encourage Recycling – Manufacturers receive a tax credit for each product they recycle.
- CRT Universal Waste Rule



## *State Laws on Electronic Recycling*

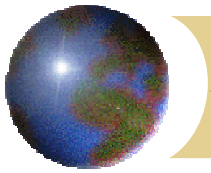
- Maine – TV and Monitors – CPU's if attached to monitors
- Households Only
- Producers pay for collection and recycling
- Orphan Waste – Producers pay a proportionate share
- Not a fee based system



## *State Laws on Electronic Recycling*

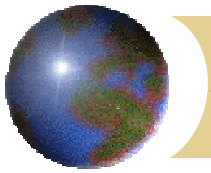
- Maryland – Monitors, computers and laptops are defined products
- Owners are not defined
- Counties pay for everything
- Counties that set up recycling programs can apply for a state grant
- Orphan wastes are not addressed





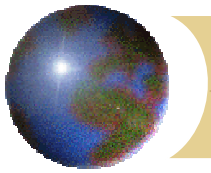
## *State Laws on Electronic Recycling*

- Washington – TV's and Monitors, CRTs and laptops
- Households, Charities, Small Business and Governments and Schools
- Producers pay for recycling either by creating their own takeback programs or participating in a standard plan.
- Orphan wastes – producers pay a share
- Not a fee based system



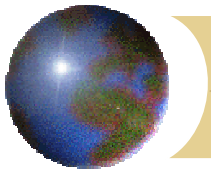
## *State Laws on Electronic Recycling*

- California – TVs and Monitors, Laptops but not CPUs
- All owners are covered by the legislation – more stringent than RCRA
- Collection and Recycling support by ARF, 20 cents for collection 28 for recycling



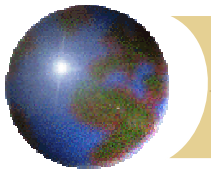
## *California Continued*

- Out of State Purchase Issue
- Orphan Waste – Consumers pay out of the ARF recycling funds
- Retailers collect fees and remit to the state.



## *Iowa, Kansas and Nebraska*

- Kansas – Goal: State-wide service based on the Household Hazardous Waste Program
- Iowa – Strong support by DNR – encouraging collection events and approving Recyclers
- Nebraska – Hampered by staff shortages



## *State Legislative Initiatives*

- ARF Proposal

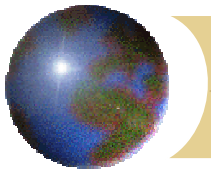
Connecticut - \$6 – 10 imposed at POS

Illinois                      \$6 – 8    Retailers who don't  
follow guidelines – Class 4 felony

Minnesota                \$10 imposed at POS

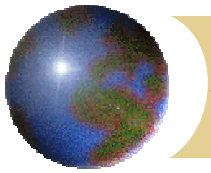
Nebraska                \$5    imposed at POS

New Jersey              \$15 imposed at POS for  
TV's



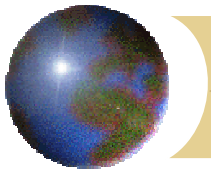
## *State Legislative Initiatives*

- New York      \$10 at POS for CRT
- Pennsylvania    \$6 – 10 at POS
- South Carolina \$6 – 10 at POS
- Wisconsin      \$1 and declines to 20 cents by 2017



## *State Legislative Initiatives*

- Manufacturer's Responsibility Proposals  
Massachusetts – Collection and recycling of covered electronics – historic basis  
Minnesota – competing bill with ARF – finance management of e-srap  
Nebraska – competing bill with ARF – must set up their own recycling plan



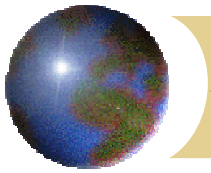
## *State Legislative Initiatives*

New Hampshire – Manufacturer's pay an \$8.00 fee per unit sold in the state.

New Jersey – Manufacturer's devise an approved electronic waste management plan for its own devices other than TVs

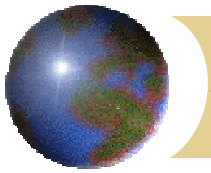
New York City – In order to sell in the city, Manufacturer's must submit a recycling plan





## *State Legislative Initiatives*

- Vermont – Manufacturer's pay an annual fee to state for each unit, calculated by a formula.
- Wisconsin – Producers finance collection and recycling of covered products.



# *State Legislative Initiatives*

- Landfill Bans

Michigan by June 2006

New Hampshire by 2012